

SAMPLE

Version Date: July 2016

GEORGIA INSTITUTE OF TECHNOLOGY ROBOTICS PROGRAM: PROPOSED PH.D. PROGRAM OF STUDY

(see <http://phdrobotics.gatech.edu/> for program details)

Date _____ Original _____ Revised _____

Name George P. Burdell Email gburdell@gatech.edu Home School AE, BME, ECE, ME or IC

Required Fundamentals (9 semester hours)

Number	Course Title	Hours	Semester/Year
AE/BME/CS/ECE/ME 7785	Introduction to Robotics Research	3	Fall / 17
AE/BME /CS/ECE/ME 8750	Multidisciplinary Robotics Research I	3	Spring / 18
AE/BME /CS/ECE/ME 8751	Multidisciplinary Robotics Research II	3	Summer / 18

Core Areas (18 semester hours). Must select three (3) core areas, each with one (1) foundation class and one (1) elective. The core areas are: Mechanics, Controls, Perception, Artificial Intelligence, and Human Robot Interaction.

	Number	Course Title	Hours	Semester/Year
Core Area 1:	Human-Robot Interaction _____ (name)			
Foundation 1:	CS 7633	Human-Robot Interaction	3	Fall / 17
Elective 1:	PSYC 7101	Engineering Psychology I	3	Spring / 19
Core Area 2:	Artificial Intelligence _____ (name)			
Foundation 2:	CS 6601	Artificial Intelligence	3	Fall / 17
Elective 2	CS 7640	Learning in Autonomous Agents	3	Spring / 19
Core Area 3:	Controls _____ (name)			
Foundation 3:	ECE 6550	Linear Systems and Control	3	Fall / 18
Elective 3:	ECE 6552	Nonlinear Systems and Control	3	Fall / 18

Minor (9 semester hours). Must be distinct from any of the five core areas:

	Number	Course Title	Hours	
Minor:	Healthcare Technology _____ (name)			
	ECE 6710	Ethics of Biotechnology and Bioengineering Research	3	Spring / 18
	BMED 8813	Interfacing Engineering Technology and Rehabilitation	3	Spring / 18
	TBD #####	Healthcare Robotics Immersion Course	3	Summer / 18

	Hours Required:	Hours Proposed:
Fundamentals:	9	9
Core Areas:	18	18
Minor Program:	9	9
Credit Hours 6000- 9000 Level:	30	30
Total Semester Hours for Degree (Minimum):	36	36

Tentative Thesis Topic Choose any topic related to your major but must write down a topic (may change topic)

Projected Date of Graduation Spring 20## Student Signature Student's Handwritten Signature

RECOMMENDED Dr. Howard can sign or a home school representative can sign
Faculty Advisor – Printed Name/Signature _____ Date _____

Director, Robotics Ph.D. Program Committee _____ Date _____

Approved _____ Not Approved _____

Comments: A course transfer must include grade and course syllabus from transfer school. Robotics electives cannot be taken for minor courses.